

Docket No. F-7888

Ser. No. 10/626,405

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Currently amended) A device for monitoring the superstructure state especially of fixed railroad tracks, comprising a height sensor system constructed as a laser scanning system installed in a measuring vehicle~~[,]~~ preferably constructed as a laser scanning system, for determining the height position of an anchor clamp and/or of the base of a rail and/or of a railroad tie and used for detecting loosened locking screws, the height sensor system being disposed over a center loop of an anchor clamp and determines the difference in height between the center loop and a surface of an angle guiding plate.
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (New) A device for monitoring the superstructure state of fixed railroad tracks, comprising a height sensor system constructed as a laser scanning system installed in a measuring vehicle and used for detecting the rigidity of elastic intermediate layers of a rail support whereby in the region of an axle which is under

Docket No. F-7888

Ser. N. 10/626,405

load, and an axle which is not under load, the height sensor system in each case has two scanning sensors, which are disposed next to one another and one of which scans a base of a rail and another the surface of a railroad tie.

6. (New) A device for monitoring the superstructure state of fixed railroad tracks, comprising a height sensor system constructed as a laser scanning system installed in a measuring vehicle and used for detecting loosened railroad ties, whereby in the region of an axle which is under load, and an axle which is not under load, the height sensor system in each case has two scanning sensors, which are disposed next to one another and of which one scans the surface of the railroad tie and the other the surface of a concrete supporting plate.